361
F4
9

....r POFI

UNITED STATES DEPARTMENT OF THE INTERIOR

Washington 25, D. C.

Fishery Leaflet 9
Revised April 1956

DIRECTOR'S OFFICE
2. LIBRARY

AVAILABLE LEAFLETS ON FISHERIES -- 1956

Compiled by Clifford O. Bullard
In Charge, Publications Distribution

This list comprises duplicated (mimeographed and multilithed) material on fishes and fisheries. Lists of available material on wildlife subjects also may be had from the Fish and Wildlife Service. Printed publications of the Fish and Wildlife Service are generally available from the Government Printing Office. Write to the Superintendent of Documents, Government Printing Office, Washington 25, D. C., for Price List 21, Fish and Wildlife, which relates to publications on fishes and wildlife, including shellfishes, fisheries, mammals, and birds. Lists of publications on related subjects by other Government agencies also are issued by the Superintendent of Documents.

The items listed here are available only from the Fish and Wildlife Service, and are not for sale. The supply is small and distribution must be limited to those who have special need for the material. Service policy is that no more than 1 copy each of 5 publications may be sent to an individual. Please ask for items by reference number and title, and list them in numerical order by series (FL or Sep). Fishery Leaflets (FL) are correspondence aids intended to help in answering specific inquiries received by the Service. Separates (Sep) are reprints of articles that appeared in the Service monthly periodical, Commercial Fisheries Review (month of original issue is shown in parentheses).

Abalone

322 Sep. Preliminary investigations of the southeastern Alaska abalone. (Sept 1952)

Agar

118 FL. Agar, agaroids, and the American agar industry.
173 FL. Agar and other seaweed gums: A summary of data on chemical and physical properties.
261 FL. Partial bibliography relating to agar.
306 FL. Strength and measurement of agar gels.
307 FL. Syneresis of agar gels.
335 FL. Studies of bacteriological agar.

263 Sep. Feeding studies with the gum of Gracillaria confervoides and carboxymethylcellulose. (Nov 1950)

Alaska

107 FL. Opportunities for small business in the Pacific northwest and Alaska.
108 FL. The relative productivity and value of the fisheries of the United States and Alaska.
254 FL. List of fishery associations in the United States and Alaska.
292 FL. List of fishery cooperatives in the United States and Alaska.
298 FL. Employment possibilities in the Alaska fishing industry.
322 FL. Fishery industries of Alaska and their administration.
330 FL. Experimental fishing trip to the Bering Sea.
342 FL. Report of Alaska exploratory fishing expedition, fall of 1948, to the northern Bering Sea.
369 FL. Exploratory fishing expedition to the northern Bering Sea in June and July 1949.
375 FL. A survey of the commercial fishery possibilities of Seward Peninsula area, Kotzebue Sound, and certain inland rivers and lakes in Alaska.
376 FL. Albacore tuna exploration in Alaskan and adjacent waters, 1949.
380 FL. Byproducts of the Government-operated fur-seal industry.
393 FL. Preliminary review of the fisheries of the United States and Alaska.
413 FL. Common or local names of commercial fish and shellfish of Alaska.

311 Sep. The John N. Cobb's shellfish explorations in certain southeastern Alaskan waters, spring 1951. (Apr 1952)
312 Sep. The Alaska sheefish: Description and proximate composition. (Apr 1952)
320 Sep. Potential markets for Alaska salmon cannery waste. (Aug 1952)
322 Sep. Preliminary investigation of the southeastern Alaska abalone. (Sept 1952)
344 Sep. Alaska's shrimp industry. (Mar 1953)
361 Sep. Southeastern Alaska exploratory herring fishing operations, winter 1952-53. (Nov 1953)
369 Sep. Relative productivity and value of the fisheries of the United States and Alaska, 1951. (Apr 1954)
371 Sep. Offshore salmon explorations adjacent to the Aleutian Islands, June-July 1953. (May 1954)
398 Sep. Bottom fish and shellfish explorations in the Prince William Sound area, Alaska, 1954. (Apr 1955)
425 Sep. Utilization of sea-lions in Alaska. (Jan 1955)

Alewives, river herring

26 FL. Salted river herring, Chesapeake Bay.

Alligators
164 FL. Alligators

Ambergris
280 FL. Ambergris
281 FL. Ambergris in perfume extracts.

Aquarium fishes
57 FL. Care of goldfish.
315 FL. Aquarium construction in the home workshop.
323 FL. Snails.
331 FL. Culture of daphnia.
411 FL. Care of tropical aquarium fishes.

Aquatic biology
162 FL. Publications on aquatic biology.

Baits
23 FL. Earthworms for bait.
28 FL. Fish baits; their collection, care, preparation, and propagation.
87 FL. Preservation of salmon eggs for bait.
337 FL. Keeping live shrimp for bait.

Bass
76 FL. The black basses.
175 FL. Striped bass (Roccus saxatilis).

Bloaters
196 FL. Smoking herring.

Breathing
55 FL. Breathing in fishes.

Byproducts (See Meal, Oil, and Canning)
370 FL. Utilization of fishery byproducts of Washington and Oregon.
380 FL. Byproducts of the Government-operated Alaska fur-seal industry.

366 Sep. Vitamin content of fishery byproducts. (Feb 1954)
393 Sep. Vitamin content of fishery byproducts - Part 2. (Feb 1955)
394 Sep. Study of pharmaceutical and other industrial products from salmon eggs. (Feb 1955)
411 Sep. Unidentified growth factors in fish byproducts. (Aug 1955)

Canning
37 FL. Canning Atlantic and Gulf oysters.
79 FL. Operations involved in commercial canning.
80 FL. Canning salmon (commercial).
81 FL. Commercial canning of sardines.
82 FL. Canning tuna commercially.
83 FL. Commercial canning of mackerel, other fishes, and pet food.
84 FL. Commercial canning of clams, oysters, mussels, and squid.
85 FL. Commercial canning of crabs, lobsters, and shrimp.
86 FL. Commercial canning of specialty products: Fish balls, clam chowder, fish cakes, turtles and terrapins, frog legs, and clam bisque.
87 FL. Commercial canning of fish roe and caviar.
88 FL. Canning products hermetically sealed but no processed: Anchovies, codfish, herring, oysters, west coast crabmeat, salmon, shrimp, and seafood cocktails.
89 FL. Spoilage in canned fishery products.
90 FL. Nutritive value of canned fishery products.
104 FL. Canning Maine sea herring.
295 FL. Chemical composition of some canned fishery products.
314 FL. Canned crab industry in Japan.
359 FL. Manufacturers of equipment for the fish processing industries.
374 FL. Freezing and canning king crab.

275 Sep. Processing canned king and dungeness crab meat. (Apr 1951)
279 Sep. Use of frozen salmon for canning. (Apr 1951)
305 Sep. A simple penetrometer for the measurement of texture changes in canned salmon (Jan 1952)

Capture, Methods of (See Gear)

Carp
19 FL. Cooking carp.
122 FL. Smoking lake herring, whitefish, lake trout, and carp.

Caviar

87 FL. Canning fish roe and caviar (commercially).

Clams

72 FL. Culture of hard clams.
73 FL. Culture of soft clams.
84 FL. Commercial canning of clams and clam juice.
86 FL. Commercial canning of specialty products.
223 FL. Commercial clams of the Pacific Coast.
399 FL. Clam culture in Japan.

176 Sep. Technological study of ocean quahog fishery. (June 1947)
323 Sep. Hard-clam fishery of the Atlantic Coast.
402 Sep. Experimental farming of the soft shell calm, Mya arenaria, in Massachusetts, 1949-53. (June 1955)

Cod

45 FL. Brine-cured cod.
269 FL. Cod--the beef of the sea.
367 FL. The codfish industry of northern Portugal.

Conservation

412 Sep. Regime of the high seas and the conservation of the world's fisheries resources. (Sept 1955)

Consumption of fish

287 FL. Per capita consumption of fish only 13.3 pounds (1935).
352 FL. United States per capita consumption of fishery products (1949).
407 FL. Fish and shellfish preferences of household consumers - 1951. Part I - National Summary.
408 FL. Fish and shellfish preferences of household consumers - 1951. Part II - Regional Summary.
409 FL. Fish and shellfish preferences of household consumers - 1951. Part III - Summary by Income Groups.
410 FL. Fish and shellfish preferences of household consumers - 1951. Part IV - Summary by Farm, Nonfarm, and City-size Groups.
424 FL. Household consumer preferences for breaded shrimp and breaded fish sticks. Part I - National and Regional Summary.
425 FL. Household consumer preferences for breaded shrimp and breaded fish sticks. Part II - Summary by Farm and Nonfarm, Rural and City-size Groups.
426 FL. Household consumer preferences for breaded shrimp and breaded fish sticks. Part III - Summary by Income Groups, Household size, Homemaker Age Groups, and Occupation.

336 Sep. Sea-food products in armed forces rations. (Jan 1953)
339 Sep. Use of fish in New England schools increased by demonstrations. (Feb 1953)

Cookery

19 FL. Cooking carp.
30 FL. Preparation of three fishes of the Pacific Coast - shark, shad, and lingcod.
35 FL. Fish cookery in the open.
53 FL. Sauces for seafood.
61 FL. Garfish recipes.
69 FL. Markets and recipes for fresh-water turtles.
106 FL. How to cook fish.
194 FL. Recipes for Pacific rockfish.
202 FL. Pacific salmon.
247 FL. Fish for breakfast and why not?
269 FL. Cod--the beef of the sea.
275 FL. Fish and shellfish canapes and hors d'oeuvres.
320 FL. Rosefish cookery - A demonstration manual.
377 FL. Cosmopolitan fish cookery for the Philippines.
404 FL. Tilefish recipes.
416 FL. Little tuna recipes.

308 Sep. King crab recipes. (Feb 1952)
420 Sep. How to cook frozen fish without prethawing. (Nov 1955)

Cooperatives

277 FL. Organizing and incorporating fishery cooperative marketing associations.
292 FL. List of fishery cooperative associations in the United States and Alaska.

Crabs

71 FL. Edible crabs.
85 FL. Canning crabs, lobsters, and shrimp (commercially).
88 FL. Canning west coast crabmeat (commercially).
185 FL. Keeping quality of east coast crabmeat in fibre board containers and tin cans.

Crabs--Continued
262 FL. Crab pot construction (Chesapeake Bay type).
276 FL. The "bob" method of picking blue crabs.
282 FL. The blue crab (Callinectus sapidus).
314 FL. Canned crab industry in Japan.
340 FL. Contribution to the biology of the king crab (Paralithodes camtschatica tilesius).
358 FL. The Chesapeake Bay crab industry.
374 FL. Freezing and canning king crab.
415 FL. Pasteurization of crab meat.

275 Sep. Processing canned king and dungeness crab meat. (Apr 1951)
308 Sep. King crab recipes. (Feb 1952)
386 Sep. The 1953 Japanese king crab factoryship expedition. (Dec 1954)
394 Sep. Keeping quality of chilled dungeness crab meat in hermetically-sealed metal containers. (Feb 1955)

Crayfish or crawfish
401 FL. Crawfish control methods.

Culture
6 FL. Some publications on fish culture.
17 FL. Construction of farm ponds.
27 FL. Farm fish ponds and their management.
41 FL. List of state-owned fish hatcheries and rearing stations.
65 FL. Outlet gate for farm fish ponds.
70 FL. Treatment of fish diseases.
72 FL. Culture of hard clams.
73 FL. Culture of soft clams.
97 FL. Fish culture as a livelihood.
114 FL. Crustaceans as food for fishes.
145 FL. Pearl culture.
147 FL. List of Federal fish cultural stations.
148 FL. An improved trap for taking spawners.
216 FL. Diamond-back terrapin culture.
217 FL. Aquatic plant control with 2,4-D.
221 FL. Temperature and fishes.
222 FL. Disease control in hatchery fish.
223 FL. Commercial clams of the Pacific Coast of the United States.
331 FL. Culture of daphnia.
383 FL. Oyster culture in Japan.
399 FL. Clam culture in Japan.
423 FL. Trout feeds and feeding.

235 Sep. Japanese methods of oyster culture. (Aug 1949)
402 Sep. Experimental farming of the soft shell clam, Mya arenaria, in Massachusetts, 1949-53. (June 1955)

Daphnia
114 FL. Crustaceans as food for fishes in fish culture.
331 FL. Culture of daphnia.

DDT
146 FL. Preliminary report on use of DDT as an insecticide in the fishery industry.

Decomposition
89 FL. Spoilage in canned fishery products.

Dehydration
120 FL. Dehydration of fishery products.

Demonstrations (See School Lunch)

Diseases and parasites
58 FL. Some publications on diseases and parasites of fishes.
70 FL. Treatment of fish diseases.
112 FL. Mortality of fish in fresh-water ponds and lakes.
201 FL. Studies of the fecal streptococci.
222 FL. Disease control in hatchery fish.
420 FL. Florida's red tide problem.
434 FL. Facts about red tide.

Drum
134 FL. The black drum.

Echo sounders
159 Sep. The location of sardine schools by super-sonic echo-ranging. (Jan 1947)

Eels
127 FL. Eel fishing and eel pots.

Exploratory fishing
330 FL. Experimental fishing trip to the Bering Sea.
342 FL. Report of Alaska exploratory fishing expedition, fall of 1948, to the northern Bering Sea.
351 FL. Tuna trolling in the Line Islands.
369 FL. Exploratory fishing expedition to the northern Bering Sea in June and July, 1949.
375 FL. A survey of the commercial fishing possibilities of Seward Peninsula area, Kotzebue Sound, and certain inland rivers and lakes in Alaska.
376 FL. Albacore tuna exploration in Alaskan and adjacent waters, 1949.
385 FL. The exploratory fishing vessel John N. Cobb.
402 FL. North Pacific albacore tuna exploration, 1950.
406 FL. Exploratory shrimp fishing in the Gulf of Mexico, 1950-51.
414 FL. S. S. Pacific Explorer factory ship.

200 Sep. The Albatross III. (Mar 1948)
225 Sep. Fishery exploration in the western Pacific. (Mar 1949)
255 Sep. Observations on the commercial fishing potentialities in the offshore waters of North Carolina. (Jul 1950)
270 Sep. Preliminary fisheries survey of the Hawaiian-Line Islands. Part II. (Jan 1951)
271 Sep. Preliminary fisheries survey of the Hawaiian-Line Islands. Part III. (Feb 1951)
278 Sep. The John N. Cobb's shellfish explorations in certain southeastern Alaskan waters, spring and fall of 1950. (Apr 1951)
280 Sep. Preliminary report on 1950 North Pacific albacore tuna explorations of the John N. Cobb. (Dec 1950)
309 Sep. Report on 1951 exploratory bluefin-tuna fishing in the Gulf of Maine. (Mar 1952)
311 Sep. The John N. Cobb's shellfish explorations in certain southeastern Alaskan waters, spring 1951. (Apr 1952)
326 Sep. Japanese mothership-type tuna-fishing operations in the western equatorial Pacific, June-October 1951. (Nov 1952)
338 Sep. Japanese 1952 North Pacific salmon-fishing expedition. (Feb 1953)
341 Sep. Experiments with a "fish pump". (John N. Cobb). (Feb 1953)
343 Sep. Shellfish explorations in certain southeastern Alaskan waters by the John N. Cobb, spring 1952. (Mar 1953)
347 Sep. Experimental tuna purse seining in the central Pacific. (Apr 1953)
351 Sep. Construction details of tuna long-line gear used by POFI. (June 1953)
356 Sep. Trap lift net for catching tuna bait fishes. (Aug 1952)
357 Sep. North Pacific albacore tuna exploration, 1952. (Sept. 1953)
358 Sep. Tuna fishing at Tahiti. (Oct 1953)
361 Sep. Southeastern Alaska exploratory herring fishing operations, winter 1952-53. (Nov 1953)
371 Sep. Offshore salmon explorations adjacent to the Aleutian Islands, June-July 1953. (May 1954)
373 Sep. Freezing Gulf of Mexico shrimp at sea. (July 1954)
376 Sep. Analysis of the Hawaiian long-line fishery, 1948-52. (Sept 1954)
380 Sep. Exploratory shrimp fishing in the Gulf of Mexico, summary report for 1952-54. (Oct 1954)
385 Sep. Japanese high-seas mothership-type drift gill-net salmon fishery--1954. (Mar 1955)
386 Sep. The 1953 Japanese king-crab factoryship expedition. (Dec 1954)
392 Sep. Use of an electrical attracting and guiding device in experiments with a "fish pump". (Feb 1955)
397 Sep. Use of underwater television in fishing-gear research (preliminary report). (Apr 1955)
398 Sep. Bottom fish and shellfish explorations in the Prince William Sound area, Alaska, 1954. (Apr 1955)
403 Sep. Gulf of Maine bluefin-tuna exploration--1954. (June 1955)
416 Sep. Preliminary report on exploratory long-line fishing for tuna in the Gulf of Mexico and the Caribbean Sea. (Oct 1955)
422 Sep. Construction details of improved tuna long-line gear used by POFI. (Dec 1955)

Exports (See Foreign Trade)

Factory Ship
414 FL. S. S. Pacific Explorer factory ship.

Farm ponds
17 FL. Construction of farm ponds.
27 FL. Farm fish ponds and their management.
65 FL. Outlet gate for farm fish ponds.

Fish culture (See Culture and Farm ponds)

Fisheries

107 FL. Opportunities for small business in the fisheries of the Pacific northwest and Alaska.
168 FL. Commercial fishery laws and regulations.
352 FL. United States per capita consumption of fishery products.
362 FL. Information sources for students of commercial fisheries.
393 FL. Preliminary review of the fisheries of the United States and Alaska.

222 Sep. United States policy with regard to high seas fisheries. (Dec 1948)
225 Sep. Fishery exploration in the western Pacific, January to June 1948, by vessels of the Pacific Exploration Company. (Mar 1949)
255 Sep. Observations on the commercial fishing potentialities in the offshore waters of North Carolina, January-February 1950. (July 1950)
286 Sep. The trash fishery of southern New England in 1950. (July 1951)
369 Sep. Relative productivity and value of the fisheries of the U. S. and Alaska, 1951. (Apr 1954)
415 Sep. Fishery technological research program. (Sept 1955)
418 Sep. Technological research on the fresh-water fisheries of the United States. (Oct 1955)
428 Sep. Fish and Wildlife Service aids fishing industry in promoting fishery products in Columbus, Ohio. (Feb 1956)

Fish sticks

424 FL. Household consumer preferences for breaded shrimp and breaded fish sticks. Part I - National and Regional Summary.
425 FL. Household consumer preferences for breaded shrimp and breaded fish sticks. Part II - Summary by Farm and Nonfarm, Rural and City size groups.
426 FL. Household consumer preferences for breaded shrimp and breaded fish sticks. Part III - Summary by Income Groups, Household size, Homemaker Age Groups, and Occupation.

Food value and composition

36 FL. Food value of fish and shellfish.
90 FL. Nutritive value of canned fishery products.
116 FL. Composition of fish.
295 FL. Chemical composition of some canned fishery products.
296 FL. A method for evaluation of the nutritive value of a protein.
334 FL. The effect of a seafood diet on the red cell.

171 Sep. Nutritive value of baked croaker. (Apr 1947)
178 Sep. Nutritive value for growth of some fish proteins. (July 1947)
310 Sep. Proximate composition of the classified trimmings from pink salmon. (Mar 1952)
312 Sep. The Alaska sheefish: Description and proximate composition. (Apr 1952)
346 Sep. Technical Note No. 25--Amino-acid content of salmon roe. (Mar 1953)
354 Sep. Technical Note No. 27--Alaska pollock: Proximate composition; amino-acid; thiamine, and riboflavin content; use as mink feed. (July 1953)
393 Sep. Vitamin content of fishery byproducts. (Feb 1955)
394 Sep. Metabolism trial to determine comparative nutritive value of fish and meat. (Feb 1955)
396 Sep. Technical Note No. 31--Weight range, proximate composition, and thiaminase content of fish taken in shallow water trawling in northern Gulf of Mexico. (Mar 1955)
411 Sep. Chemical changes in fish protein during freezing and storage. (Aug 1955)

Foreign Fisheries

Africa:

251 FL. Gold Coast sea fisheries.
305 FL. Guano Islands, Union of South Africa.
347 FL. Growth of South African fisheries.

Arabia:

328 FL. Fishing industry of the Gulf of Aden.

Canada:

253 FL. Manitoba's fresh-water fishing industry.
356 FL. Fisheries of New Brunswick.

Caribbean area:

135 FL. Guide to commercial shark fishing in the Caribbean area.
228 FL. Fisheries in St. Lucia (British West Indies).
250 FL. The Cuban shark industry.
259 FL. Fishery resources of the Caribbean area.
284 FL. Cuban frog leg industry.
294 FL. Cuba's spiny lobster industry.
308 FL. Cuban fishing industry.

337 Sep. A report on the Cuban tuna fishery. (Jan 1953)
416 Sep. Preliminary report on long-line fishing for tuna in the Gulf of Mexico and Caribbean Sea. (Oct 1955)

Egypt:
363 FL. Egyptian fisheries.

Germany:
206 FL. Certain aspects of the German fishing industry (Report I - Fish processing machinery).
207 FL. Certain aspects of the German fishing industry (Report II - Quick freezing and cold storage of fish).
208 FL. Certain aspects of the German fishing industry (Report III - Smoke curing of fish).
209 FL. Certain aspects of the German fishing industry (Report IV - The preservation of fish by canning and related processes).
210 FL. Certain aspects of the German fishing industry (Report V - Weiking Eiweiss - Protein product manufactured from fish).
211 FL. Certain aspects of the German fishing industry (Report VI - Institute for the utilization of fish of the Federal Fisheries Agency).
348 FL. German commercial electrical fishing device.

Iceland:
345 FL. Whale and fish oils.

250 Sep. Organization and scope of Iceland's fish inspection service.

Iran:
304 FL. Fish of the Persian and Oman Gulf.

Japan:
157 FL. Japanese fishing industry.
229 FL. Operation fisheries in Japan.
230 FL. Japanese salmon industry.
234 FL. Japanese fishing gear.
236 FL. Fishery research and education in Japan.
244 FL. Conversion of selected Japanese weights and measures.
248 FL. Japanese whaling in the Bonin Island area.
249 FL. Natural resources of Japan.
268 FL. Japanese big fishing companies.
273 FL. Fisheries of former Japanese mandated islands.
279 FL. Japanese fisheries production, 1908-1946.
288 FL. The Japanese fishing industry.
297 FL. The Japanese tuna fisheries.
314 FL. Canned crab industry in Japan.
317 FL. Japanese long-line fishery for tuna.
333 FL. Aquatic resources of the Ryukyu area.
371 FL. Japanese whaling industry - prior to 1946.
383 FL. Oyster culture in Japan.
388 FL. The Japanese albacore fishery of the North Central Pacific.
389 FL. Japanese offshore trawling.
395 FL. A program for Japanese coastal fisheries.
399 FL. Clam culture in Japan.

235 Sep. Japanese methods of oyster culture. (Aug 1949)
338 Sep. Japanese 1952 North Pacific salmon fishing expedition. (Feb 1953)
349 Sep. Salmon tagging by the 1952 Japanese North Pacific fishing expedition. (May 1953)
381 Sep. Observation of Japanese high-seas salmon gill-net fishery off Hokkaido. (Oct 1954)
385 Sep. Japanese high-seas mothership-type drift gill-net salmon fishery, 1954. (Mar 1955)
386 Sep. The 1953 Japanese king crab factoryship expedition. (Dec 1954)
390 Sep. Japanese fish netting industry. (Jan 1955)

Korea:
372 FL. Report on the fisheries industry in the Republic of Korea.

Mexico:
260 FL. Mexican fishery legislation.
283 FL. Mexican fishery law of December 31, 1947.
339 FL. The Mexican fisheries industry.

416 Sep. Preliminary report on exploratory long-lone fishing for tuna in the Gulf of Mexico and the Caribbean Sea. (Oct 1955)

Micronesia:
239 FL. Fishery resources of Micronesia.

Newfoundland:
256 FL. Outlook for Newfoundland fisheries, 1947.

Norway:
355 Sep. Report on the Norwegian frozen fish fillet industry. (Aug 1953)

Philippines:
354 FL. Reef fishing.
377 FL. Cosmopolitan fish cookery for the Philippines.

Portugal:
367 FL. The codfish industry in northern Portugal.

Red Sea:
310 FL. Production of edible fish in the Red Sea.

Samoa:
382 Sep. Tuna fishing at American Samoa, January-April 1954. (Nov 1954)

South America:
75 FL. The Peruvian fisheries.
227 FL. Fishing industry of Ecuador.
240 FL. The Venezuelan salt-fish industries.
266 FL. Fisheries of Uruguay.
267 FL. Sao Paulo fishing industry. (Brazil).
329 FL. Fishing industry of Brazil.
338 FL. Fishery regulations of Venezuela, including a section on the import duties for processed products connected with the fishing industry.
349 FL. Fishing and fisheries (Brazil).

227 Sep. The United States fishery mission to Venezuela. (Apr 1949)

Spain:
271 FL. Spanish fishing industry, 1946.
272 FL. Volume and value of catch of fish and shellfish landed at Malaga, 1946.

Sweden:
327 FL. The fishing industry and the market for fish in Sweden.

Turkey:
238 FL. The sponge industry in Turkey.
390 FL. Fishery resources of Turkey.

Foreign Trade
417 FL. U. S. import classification and duties of fishery and wildlife commodities.
421 FL. United States foreign trade in edible fishery products.

Freezing (See Refrigeration)

Frogs
86 FL. Canning frog legs.
284 FL. Cuban frog leg industry.

Gambusia
67 FL. The top minnow, Gambusia - the mosquito destroyer.

Gear
61 FL. Capturing and marketing of garfish (with special reference to those of Louisiana) and recipes for their preparation.
64 FL. Construction and operation of lobster fishing gear.
127 FL. Eel fishing and eel pots.
195 FL. Partial list of manufacturers of fishing gear and accessories.
199 FL. New rig for high opening otter trawl.
225 FL. Gear used in the sea scallop fishery.
245 FL. Balloon trawl construction (Long Island type).
302 FL. Kite rigs for otter trawl gear.
317 FL. Japanese long-line fishery for tunas.
343 FL. Floating trawls.
348 FL. German commercial electrical fishing device.
354 FL. Reef fishing.
373 FL. Atlantic Coast mackerel purse seine.
379 FL. New England sink gill net.
386 FL. Pacific salmon drift gill netting.
387 FL. Commercial salmon trolling.
389 FL. Japanese offshore trawling.
394 FL. Gulf of Mexico shrimp trawl designs.

Gear--Continued
316 Sep. Increasing the spread of shrimp trawls. (July 1952)
334 Sep. A minimum net-mesh size for the New England haddock fishery. (Dec 1952)
341 Sep. Experiments with a "fish pump". (Feb 1953)
356 Sep. Trap lift net for catching tuna bait fishes. (Aug 1953)
363 Sep. Fishing vessel live-bait equipment. (Jan 1954)
365 Sep. Drum seining--A new development in the Puget Sound salmon fishery. (Feb 1954)
376 Sep. Analysis of the Hawaiian long-line fishery, 1948-52. (Sept 1954)
383 Sep. Recent developments in fishing-vessel deck gear.
392 Sep. Use of an electrical attracting and guiding device in experiments with a "fish pump". (Feb 1955)
397 Sep. Use of underwater television in fishing-gear research (preliminary report). (Apr 1955)
400 Sep. The pound-net fishery in Virginia. (May 1955)
422 Sep. Construction details of improved tuna long-line gear used by POFI. (Dec 1955)

Goldfish (See Aquarium fishes)

Haddock
198 FL. Haddock (Melanogrammus aeglifinus).

217 Sep. Current haddock situation on Georges Bank. (Oct 1948)
285 Sep. 1950--An unusual haddock year on Georges Bank. (June 1951)
319 Sep. Georges Bank haddock fishery, 1951. (Aug 1952)
321 Sep. Experiments on the escape of undersized haddock through otter trawls. (Sept 1952)
334 Sep. A minimum net-mesh size for the New England haddock fishery. (Dec 1952)
388 Sep. A comparative study of fish meals made from haddock offal. (Dec 1954)
417 Sep. Brine dipping of haddock fillets. (Oct 1955)

Herring
26 FL. Salted river herring (alewives) in Chesapeake Bay.
88 FL. Commercial canning of herring.
104 FL. Canning Maine sea herring.
122 FL. Smoking lake herring, whitefish, lake trout, and carp.
196 FL. Smoking of herring.

361 Sep. Southeastern Alaska exploratory herring fishing operations, winter 1952-53. (Nov 1953)

Imports (See Foreign trade)

Insurance
149 FL. Unemployment insurance: Chesapeake Bay States, Maryland and Virginia.
150 FL. Unemployment insurance: Middle Atlantic States, New York, New Jersey, Delaware, and Pennsylvania.
151 FL. Unemployment insurance: New England States, Maine, New Hampshire, Rhode Island, and Connecticut.
152 FL. Unemployment insurance: South Atlantic States, North Carolina, South Carolina, Georgia, and Florida.
153 FL. Unemployment insurance: Pacific Coast States, Washington, Oregon, and California.
154 FL. Unemployment insurance: Gulf States, Alabama, Mississippi, Louisiana, and Texas.
171 FL. Unemployment insurance: Great Lakes States, Minnesota, Wisconsin, Illinois, Michigan, and Ohio.

155 Sep. Extension of unemployment insurance to certain fishing services. (Nov 1946)
291 Sep. Social Security for self-employed persons in fishery industries. (Oct 1951)

Jellyfish
68 FL. Sea nettles or jellyfish.

Kosher fishes
418 FL. Food fishes with fins and scales.

Ladder or fishway
92 FL. Fishway for small streams.

Lake Trout
15 FL. Lake trout.
122 FL. Smoking lake herring, whitefish, lake trout, and carp.

Lamprey
360 FL. Sea lampreys of the Atlantic Coast and Great Lakes.

Laws
168 FL. Commercial fishery laws and regulations.
172 FL. Compliance with Federal, Food, Drug, and Cosmetic Act in marketing fishery products.
403 FL. Fishing laws for the District of Columbia.

Laws--Continued
222 Sep. United States policy with regard to high seas fisheries. (Dec 1948)
314 Sep. Technical Note No. 20 - Federal specifications for fishery products. (May 1952)
404 Sep. Development of voluntary Federal standards of grade for fresh and frozen fishery products. (June 1955)
411 Sep. Federal specifications for fishery products. (Aug 1955)
412 Sep. Regime of the high seas and the conservation of the world's fisheries resources. (Sept 1955)

Lists, partial
41 FL. List of State-owned fish hatcheries and rearing stations.
147 FL. List of Federal fish cultural stations.
160 FL. Partial list of trade journals and newspapers concerning fishery products.
178 FL. Partial list of fishing boat builders.
195 FL. Partial list of manufacturers of fishing gear and accessories.
254 FL. Fishery associations in the United States and Alaska.
292 FL. Fishery cooperative associations in the United States and Alaska.
293 FL. Fishermen's and fish shore-worker's unions in the U. S., Alaska, and Hawaii.
359 FL. Manufacturers of equipment for the fish processing industries.
400 FL. List of fishery leaflets 301-400.

Lobsters
64 FL. Construction and operation of lobster fishing gear.
85 FL. Commercial canning of lobsters.
294 FL. Cuba's spiny lobster industry.

229 Sep. Spiny lobster, identification, world distribution, and U. S. trade. (May 1949)
268 Sep. Results of some tests with frozen lobsters and lobster meat. (Nov 1950)
293 Sep. U. S. lobster and spiny lobster production (1921-49) and imports (1920-49). (Dec 1951)

Mackerel
83 FL. Commercial canning of mackerel.
373 FL. Atlantic Coast mackerel purse seine.

Marine borers
3 FL. Shipworms and other marine borers.

Marketing
115 FL. Handling fresh fish.
172 FL. Compliance with the Federal Food, Drug, and Cosmetic Act in the marketing of fishery products.
243 FL. Aids for small business.
258 FL. Retailing fish.
277 FL. Organizing and incorporating fishery cooperative marketing associations.
336 FL. Quarterly outlook for marketing fishery products (This is a series of reports issued quarterly).
365 FL. Sales patterns for fresh and frozen fish and shellfish, 1936 to 1946.
407 FL. Fish and shellfish preferences of household consumers - 1951. Part I - National Summary.
408 FL. Fish and shellfish preferences of household consumers - 1951. Part II - Regional Summary.
409 FL. Fish and shellfish preferences of household consumers - 1951. Part III - Summary by Income Groups.
410 FL. Fish and shellfish preferences of household consumers - 1951. Part IV - Summary by Farm, Nonfarm, and City-size Groups.
424 FL. Household consumer preferences for breaded shrimp and breaded fish sticks - Part I - National and Regional Summary.
425 FL. Household consumer preferences for breaded shrimp and breaded fish sticks - Part II - Summary by Farm and Nonfarm, Rural and City-size Groups.
426 FL. Household consumer preferences for breaded shrimp and breaded fish sticks - Part III - Summary by Income Groups, Household-size, Homemaker Age Groups, and Occupation.

431 Sep. Florida fish marketing study--progress report. (Mar 1956)

Marking fish (See Tagging)

Meal (Fish)
126 FL. Fish reduction processes.
359 FL. Manufacturers of equipment for the fish processing industries.
370 FL. Utilization of fishery byproducts in Washington and Oregon.

142 Sep. Feeding fish meal to ducklings. (July 1946)
147 Sep. Feeding fish meal to pullets. (Sept 1946)
185 Sep. Chemical studies of lipoid extracts from menhaden fish meal. (Sept 1947)

Meal (Fish)--Continued
265 Sep. A chemical evaluation of tuna-liver and beef-liver meals prepared by different methods. (Nov 1950)
269 Sep. Feeding value of fish meals. (Dec 1950)
276 Sep. Paper bags for fish meal.
299 Sep. Suggested code for fish meal. (Nov 1951)
366 Sep. Vitamin content of fishery byproducts. (Feb 1954)
378 Sep. Technical Note No. 30--Proposed method for estimating amount of solubles added to whole fish meal. (Sept 1954)
388 Sep. A comparative study of fish meals made from haddock offal. (Dec 1954)
401 Sep. Determination of oil in fish meal. (May 1955)
427 Sep. Manufacture of experimental menhaden fish meal on a pilot-plant scale. (Jan 1956)

Menhaden
412 FL. The menhaden industry.

185 Sep. Chemical studies of lipoid extracts from menhaden fish meal. (Sept 1947)
296 Sep. Chemistry of menhaden. (Nov 1951)
427 Sep. Manufacture of experimental menhaden fish meal on a pilot-plant scale. (Jan 1956)

Minnows
28 FL. Fish baits; their collection, care, preparation, and propagation.
67 FL. The top minnow, Gambusia - the mosquito destroyer.

Mink feed
405 FL. Salmon cannery waste for mink feed.

354 Sep. Technical Note No. 27--Alaska pollock: Proximate composition; amino-acid, thiamine, and riboflavin content; use as mink feed. (July 1953)

Mollusks
72 FL. Culture of hard clams.
73 FL. Culture of soft clams.
145 FL. Pearl culture.
223 FL. Commercial clams of the Pacific Coast.
399 FL. Clam culture in Japan.

Mortality
112 FL. Mortality of fishes in fresh-water ponds and lakes.

Mullet
48 FL. Striped mullet and their preparation for the table.
51 FL. Brine-salted mullet.

431 Sep. Florida fish marketing study--progress report. (Mar 1956)

Muskellunge
166 FL. The pikes.

Mussels, sea
11 FL. Sea mussels.
84 FL. Commercial canning of sea mussels.
364 FL. The mussel resources of the North Atlantic region.

Nets (Also see Gear)
66 FL. Preservation and care of fish nets.
125 FL. How to make and mend fish nets.
177 FL. Tests on cordages made from various fibres.
241 FL. Methods of net mending in New England.
373 FL. Atlantic Coast mackerel purse seine.
379 FL. New England sink gill net.

390 Sep. Japanese fish-netting industry. (Jan 1955)
400 Sep. The pound-net fishery in Virginia. (May 1955)

Nutritive value (See Food value and composition)

Oils, marine (Also see Vitamin A)
126 FL. Fish reduction processes.
141 FL. Drill sampling device for fish livers (Constructional details).
233 FL. Fish liver oil industry.
289 FL. Preliminary report on sampling of fish livers.
345 FL. Whale and fish oils (Iceland).

Oils, marine--Continued
359 FL. Manufacturers of equipment for the fish processing industries.

185 Sep. Chemical studies of lipoid extracts from menhaden fish meal. (Sept 1947)
401 Sep. Determination of oil in fish meal. (May 1955)
413 Sep. Early experiences with fish oils - A retrospect. (Sept 1955)
423 Sep. Oil research project at the Seattle Technological Laboratory. (Dec 1955)
433 Sep. Fish oils in sprays for citrus trees. (May 1956)

Oysters
22 FL. Increasing production of oysters and other shellfish.
50 FL. Preparation of fresh eastern oysters for market.
52 FL. Planting and marketing oysters, Pacific Northwest.
84 FL. Commercial canning of oysters.
187 FL. The oyster and the oyster industry in the United States.
383 FL. Oyster culture in Japan.

160 Sep. Bacteriological studies of oyster conditioning. (Jan 1947)
214 Sep. Management of the oyster resources. (Sept 1948)
215 Sep. Sanitary control practices for the oyster industry. (Sept 1948)
216 Sep. Mechanization of oyster cultivation. Part I: Recent development in oyster dredges. (Sept 1948)
235 Sep. Japanese methods of oyster culture. (Aug 1949)
287 Sep. Effect of ascorbic acid on keeping quality of frozen oysters. (July 1951)
290 Sep. Results of some tests with frozen oysters. (Oct 1951)
295 Sep. A study of pH of strictly fresh commercially shucked eastern oysters. (Nov 1951)
352 Sep. Oyster growth as affected by latitudinal temperature gradients. (June 1953)
396 Sep. Determination of cook drip in Pacific ocean perch and Pacific oysters by use of a new method. (Mar 1955)
399 Sep. Oyster-processing research for Atlantic and Gulf Coasts. (Apr 1955)
423 Sep. Cold storage of frozen Pacific oysters. (Dec 1955)
426 Sep. Some factors affecting fluid loss in southern oysters. (Jan 1955)

Parasites (See Diseases)

Pearls
145 FL. Pearl culture.

Pickling (See Salting)

Pictures, motion
255 FL. List of fishery motion pictures.

Pike
166 FL. The pikes.

Plant aquatic control
217 F.L. Aquatic plant control with 2,4-D.

Poisoning
124 FL. Dermatitis in the fish industry.

Pollution and sanitation
146 FL. Preliminary report on the use of DDT as an insecticide in the fishery industries.
174 FL. Stream pollution hazards of wood pulp mill effluents.
201 FL. Studies of the fecal streptococci.

187 Sep. Bacterial population of brining tanks in fish filleting plants. (Oct 1947)
215 Sep. Sanitary control practices for the oyster industry. (Sept 1948)

Quality
94 FL. Judging the quality and freshness of fish by organoleptic methods.
274 FL. Evaluation of surface pH as a freshness index for fillets.

295 Sep. A study of pH of strictly fresh commercially shucked eastern oysters. (Nov 1951)
300 Sep. Acceptability and keeping quality of Pacific Ocean perch fillets. (Nov 1951)
302 Sep. Conducting organoleptic tests in the laboratory. (Nov 1951)
384 Sep. Cooperative fish-product-acceptability project with Quartermaster Food and Container Institute. (Nov 1954)
419 Sep. Bone detection in fish by X-ray examination. (Nov 1955)

Rains of fishes
130 FL. Rains of fishes, toads, and frogs.

Rays
123 FL. Sharks, skates, and rays.

Recipes (See Cookery)

Red Snapper
195 Sep. Experimental fishing for red snapper (Part I, Use of hoop nets; Part II, Use of mechanical reels). (Feb and Mar 1948)

Red Tide
420 FL. Florida's red tide problem.
434 FL. Facts about red tide.

Refrigeration
115 FL. Handling fresh fish.
128 FL. Refrigerated locker storage of fish for home use.
181 FL. Fish can be stored in refrigerated lockers with other food.
189 FL. Icing fish at sea.
213 FL. Wrapping materials for frozen fish.
214 FL. Fish refrigeration.
265 FL. Bibliography of the preservation of fishery products by freezing.
278 FL. Freezing fish at sea.
286 FL. Steps in the handling of frozen fish in the freezer warehouse.
321 FL. An improved method of glazing fish for locker storage.
332 FL. Recording color changes in frozen pink salmon.
359 FL. Manufacturers of equipment for the fish processing industries.
374 FL. Freezing and canning king crab.

165 Sep. Shallower storage pens improve fish quality. (Feb 1947)
189 Sep. Notes on freezing shrimp. (Nov 1947)
192 Sep. Suggestions for handling trawler-caught fish. (Dec 1947)
233 Sep. Storage life of whole and split rockfish fillets. (July 1949)
268 Sep. Results of some tests with frozen lobster meat. (Nov 1950)
272 Sep. Effect of fluctuating storage temperatures on quality of frozen fish fillets. (Feb 1951)
274 Sep. Control of fish spoilage by icing and freezing. (Mar 1951)
287 Sep. Effect of ascorbic acid on keeping quality of frozen oysters. (July 1951)
306 Sep. Freezing fish at sea - New England - Part I: Preliminary experiments. (Feb 1952)
317 Sep. Equipment and procedure for thawing fish frozen at sea. (July 1952)
318 Sep. Fish frozen in brine at sea: Preliminary laboratory and taste-panel tests. (July 1952)
324 Sep. Freezing fish at sea, defrosting, filleting, and refreezing the fillets. (Oct 1952)
328 Sep. Freezing fish at sea - New England - Part V - Freezing and thawing and suggestions for commercial equipment. (Dec 1952)
329 Sep. Freezing and cold storage of Pacific Northwest fish and shellfish - Part I - Storage life of various rockfish fillets. (Dec 1952)
342 Sep. A portable immersion freezer. (Feb 1953)
345 Sep. Freezing fish at sea - New England - Part VI - Changes and additions to experimental equipment on the trawler Delaware. (Mar 1953)
350 Sep. Technical Note No. 26--Glazing brine-frozen salmon. (May 1953)
355 Sep. Report on the Norwegian frozen fish fillet industry. (Aug 1953)
362 Sep. Freezing fish at sea - New England - Part VII - Pictorial story of operations at sea and ashore. (Dec 1953)
372 Sep. Freezing and cold storage of Pacific Northwest fish and shellfish - Part III - Storage characteristics of six species of oily fish. (June 1954)
373 Sep. Freezing Gulf of Mexico shrimp at sea. (July 1954)
375 Sep. Freezing fish at sea - New England - Part VIII - Some factors affecting the salt (sodium chloride) content of haddock during brine-freezing and water-thawing. (Aug 1954)
377 Sep. Cold-storage life of fresh-water fish--No. 1. (Sept 1954)
387 Sep. Chemical changes in fish protein during freezing and storage. (Dec 1954)
389 Sep. Outlines of a long-range frozen fish program for the armed forces.
395 Sep. Freezing and cold storage of Pacific Northwest fish and shellfish. (Mar 1955)
405 Sep. Freezing fish at sea - New England - Part IX- Improvements in the brine-freezing mechanism on the trawler Delaware. (July 1955)
406 Sep. Freezing fish at sea - New England - Part X - Studies of miscellaneous handling problems. (July 1955)
407 Sep. Packaging frozen fish in tin results in superior storage life. (July 1955)
408 Sep. Technical Note No. 32 - Freezing rates and energy requirements for freezing packaged fish fillets and fish sticks in a multiplate-compression freezer. (July 1955)
414 Sep. Freezing and cold storage of Pacific Northwest fish and shellfish - Part V - Palatability and cold-storage life of blacktip rockfish and flag rockfish. (Sept 1955)

Refrigeration--Continued
421 Sep. Effect of cooking oil quality and storage conditions on the keeping quality of frozen fried fish sticks. (Nov 1955)
423 Sep. Cold storage of frozen Pacific oysters. (Dec 1955)
432 Sep. Michigan locker-plant survey. (Mar 1956)

Reproduction
182 FL. Reproduction in fishes.

Respiration (See Breathing)

Retailing fish (See Marketing)

Rockfish
264 FL. Palatability of Pacific rockfish fillets.

Rotenone
350 FL. The use of rotenone as fish poison.

Salmon
14 FL. Pacific salmon.
60 FL. Mild curing, pickling, dry-salting, and smoking salmon.
80 FL. Canning salmon commercially.
87 FL. Salmon eggs for fish bait.
176 FL. Atlantic salmon.
332 FL. Recording color changes in frozen pink salmon.
386 FL. Pacific salmon drift gill netting.
387 FL. Commercial salmon trolling.
405 FL. Salmon cannery waste for mink feed.

258 Sep. Salmon cannery trimmings - Part I - Relative amounts of separated parts. (Sept 1950)
262 Sep. Utilization of salmon eggs for production of cholesterol, lipide, and protein. (Nov 1950)
279 Sep. Use of frozen salmon for canning. (Apr 1951)
298 Sep. Utilization of Alaska salmon cannery waste as a source of feed for hatchery fish. (Nov 1951)
301 Sep. A brief study of the alkali process for recovery of oil from pink salmon cannery waste. (Nov 1951)
305 Sep. Technical Note No. 16 - A simple penetrometer for the measurement of texture changes in canned salmon. (Jan 1952)
307 Sep. Refractive index of free oil in canned salmon. (Feb 1952)
310 Sep. Proximate composition of the classified trimmings from pink salmon. (Mar 1952)
320 Sep. Potential markets for Alaska salmon cannery waste. (Aug 1952)
338 Sep. Japanese 1952 North Pacific salmon-fishing expedition. (Feb 1953)
346 Sep. Technical Note No. 25 - Amino-acid content of salmon roe. (Mar 1953)
349 Sep. Salmon tagging by the 1952 Japanese North Pacific fishing expedition. (May 1953)
350 Sep. Technical Note No. 26 - Glazing brine-frozen salmon. (May 1953)
365 Sep. Drum seining - A new development in the Puget Sound salmon fishery. (Feb 1954)
367 Sep. Technical Note No. 29 - Effect of salt on the storage life of salmon eggs preserved with sodium bisulfite. (Feb 1954)
371 Sep. Offshore salmon explorations adjacent to the Aleutian Islands, June-July 1953. (May 1954)
381 Sep. Observations of Japanese high-seas salmon gill-net fishery off Hokkaido. (Oct 1954)
385 Sep. Japanese high-seas mothership-type drift gill-net salmon fishery, 1954. (Mar 1955)
391 Sep. Preparation of a smoked salmon caviar spread. (Jan 1955)
394 Sep. Study of pharmaceutical and other industrial products from salmon eggs. (Feb 1955)
409 Sep. Reduction of curd in canned salmon prepared from frozen fish. (Aug 1955)
418 Sep. Jellied salmon. (Oct 1955)
424 Sep. Reduction of curd in canned salmon prepared from frozen fish - Part II. (Jan 1956)

Salting (See also Smoking)
18 FL. Home preservation of fishery products (salting, smoking, and other methods of curing fish at home).
26 FL. Salting river herring, Chesapeake Bay.
38 FL. Brine-salted herring.
45 FL. Brine-cured cod.
51 FL. Brine-salted mullet.
60 FL. Mild curing, pickling, dry salting, and smoking salmon.
196 FL. Smoked herring (Bloaters).

Sanitation (See Pollution and sanitation)

Sardines
81 FL. Commercial canning of sardines.
129 FL. The Pacific sardine industry.
270 FL. The electrostatic smoking of sardines.

Sardines--Continued
159 Sep. Location of sardine schools by supersonic echo-ranging. (Jan 1947)
370 Sep. Loss of sardine fishery may become permanent. (Mar 1954)

Scallops
225 FL. Gear use in the sea scallop fishery.

348 Sep. Status of New England sea-scallop fishery. (May 1953)

School-lunch demonstrations
339 Sep. Use of fish in New England schools increased by demonstrations. (Feb 1953)

Sea nettles
68 FL. Sea nettles or jellyfish.

Sea urchin
231 FL. The sea urchin fishery.

Senses of fishes
55 FL. Breathing in fishes.
132 FL. Structure and senses of fishes.

Shad
30 FL. Preparation of three fishes of the Pacific Coast - Shark, shad, and lingcod.

Sharks
30 FL. Preparation of three fishes of the Pacific Coast - Shark, shad, and lingcod.
123 FL. Sharks, skates, and rays.
135 FL. Shark fishing in the Caribbean area (commercial).
250 FL. Cuban shark industry: Cuban government fosters fishing cooperatives.

Shellfish (See oysters, clams, and other species)

Shipworm
3 FL. Shipworms and other marine borers.

Shrimp
85 FL. Commercial canning of shrimp.
312 FL. Smoking shrimp.
319 FL. The shrimp and the shrimp industry of the South Atlantic and Gulf of Mexico.
337 FL. Keeping live shrimp for bait.
366 FL. Identification of the commercial common shrimp.
368 FL. The shrimp industry of the southern United States.
394 FL. Gulf of Mexico shrimp trawl designs.
406 FL. Exploratory shrimp fishing in the Gulf of Mexico.
424 FL. Household consumer preferences for breaded shrimp and breaded fish sticks - Part I - National and Regional Summary.
425 FL. Household consumer preferences for breaded shrimp and breaded fish sticks - Part II - Summary by Farm and Nonfarm, Rural and City size Groups.
426 FL. Household consumer preferences for breaded shrimp and breaded fish sticks - Part III - Summary by Income Groups, Household size, Homemaker Age Groups, and Occupation.

189 Sep. Notes on freezing shrimp. (Nov 1947)
289 Sep. Expansion of Gulf of Mexico shrimp fishery, 1945-50. (Sept 1951)
304 Sep. The northern shrimp fishery of Maine. (Jan 1952)
316 Sep. Increasing the spread of shrimp trawls. (July 1952)
344 Sep. Alaska's shrimp industry. (Mar 1953)
373 Sep. Freezing Gulf of Mexico shrimp at sea. (July 1954)
380 Sep. Exploratory shrimp fishing in the Gulf of Mexico, summary report for 1952-54. (Oct 1954)

Skates
123 FL. Sharks, skates, and rays.

Smelt
410 Sep. Winter smelt fishing out of Enscanaba, Michigan. (Aug 1955)

Smoking
18 FL. Home preservation of fishery products (salting, smoking, and other methods of curing fish at home).
60 FL. Mild curing, pickling, dry salting, and smoking salmon.
122 FL. Smoking lake herring, whitefish, lake trout, and carp.
196 FL. Smoked herring.

Smoking--Continued
204 FL. A cardboard smokehouse.
270 FL. Electrostatic smoking of sardines.
312 FL. Smoking shrimp.

391 Sep. Preparation of a smoked salmon caviar spread. (Jan 1955)

Snails
323 FL. Snails.

Specifications, Federal
314 Sep. Federal specifications for fishery products. (May 1952)
379 Sep. The development of Federal specifications. (Sept 1954)
411 Sep. Federal specifications for fishery products. (Aug 1955)

Spiny lobster
294 FL. Cuba's spiny lobster industry.

229 Sep. Spiny lobster, identification, world distribution, and U.S. trade. (May 1949)
293 Sep. United States lobster and spiny lobster production (1921-49) and imports (1920-49) (Dec 1951)

Sponges
170 FL. Sponge production and international sponge trade of the United States.
238 FL. The sponge industry of Turkey.

Sport fishing
398 FL. Some publications on sport fishing.

Starfish
169 FL. Controlling the starfish (Asterias forbesi).
391 FL. Technological studies of the starfish.

Statistics
393 FL. Preliminary review of the fisheries of the United States.
432 FL. Fishery statistical publications of the Fish and Wildlife Service.

369 Sep. Relative productivity and value of the fisheries of the United States and Alaska, 1951. (Apr 1954)
Note: Current fishery statistical leaflets; landings at certain ports; cold storage holdings of fishery products; daily, monthly, and annual summaries of fishery products are available upon request.

Structure of fishes
132 FL. Structure and senses of fishes.

Tagging fish
113 FL. Tagging and marking fish.

Trade Agreements
283 Sep. Trade agreements and the fishery industries. (May 1951)

Transportation
115 FL. Handling fresh fish.

Tropical fishes (See Aquarium fishes)

Trout
15 FL. Lake trout.
98 FL. Lock leven (Salmo levenensis).
122 FL. Smoking lake herring, whitefish, lake trout, and carp.
235 FL. The kamloops rainbow trout.
355 FL. The trouts of North America.
423 FL. Trout feeds and feeding.

Tuna
82 FL. Commercial canning of tuna.
297 FL. Japanese tuna industries.
317 FL. The Japanese long-line fishery for tunas.
351 FL. Tuna trolling in the Line Islands.
353 FL. "Little tuna" of the Atlantic and Gulf Coasts.
376 FL. Albacore tuna exploration in Alaskan and adjacent waters, 1949.
388 FL. The Japanese albacore fishery of the North Central Pacific.

Tuna--Continued
402 FL. North Pacific albacore tuna exploration - 1950.
416 FL. Little tuna recipes.

225 Sep. Fishery exploration in the Western Pacific. (May 1949)
270 Sep. Preliminary fisheries survey of the Hawaiian-Line Islands area, Part II - Notes on the tuna and bait resources of the Hawaiian, Leeward, and Line Islands. (Jan 1951)
271 Sep. Preliminary fisheries survey of the Hawaiian-Line Islands area, Part III - The live-bait skipjack fishery of the Hawaiian Islands. (Feb 1951)
280 Sep. Preliminary report on 1950 North Pacific albacore tuna explorations of the John N. Cobb. (Dec 1950)
284 Sep. Japanese tuna-mothership operations in the western equatorial Pacific Ocean. (June 1951)
309 Sep. Report on 1951 exploratory bluefin tuna in the Gulf of Maine. (Mar 1952)
326 Sep. Japanese mothership-type tuna-fishing operations in the western equatorial Pacific, June-October 1951. (Nov 1952)
337 Sep. A report on the Cuban tuna fishery. (Jan 1953)
347 Sep. Experimental tuna purse seining in the Central Pacific. (Apr 1953)
351 Sep. Construction details of long-line gear used by POFI. (June 1953)
353 Sep. Gulf of Maine bluefin tuna exploration, 1952. (July 1953)
356 Sep. Trap lift net for catching tuna bait fishes. (Aug 1953)
357 Sep. North Pacific albacore tuna exploration, 1952. (Sept 1953)
358 Sep. Tuna fishing at Tahiti. (Oct 1953)
363 Sep. Fishing vessel live-bait equipment. (Jan 1954)
376 Sep. Analysis of the Hawaiian long-lone fishery, 1948-52. (Sept 1954)
382 Sep. Tuna fishing at American Samoa, January-April 1954. (Nov 1954)
403 Sep. Gulf of Maine bluefin-tuna exploration--1954. (June 1955)
416 Sep. Preliminary report on exploratory long-line fishing for tuna in the Gulf of Mexico and the Caribbean Sea. (Oct 1955)
418 Sep. Iron-sulfide discoloration of tuna cans. (Oct 1955)
422 Sep. Construction details of improved tuna long-line gear used by POFI. (Dec 1955)
429 Sep. Iron sulfide discoloration of tuna cans. Part II. (Feb 1956)

Turtles - terrapin
69 FL. Markets and recipes for fresh-water turtles.
86 FL. Commercial canning of turtles and terrapin.
91 FL. Turtles in the home aquarium.
190 FL. Turtle trapping.
216 FL. Diamond-back terrapin culture.

Vitamin A
138 FL. Time and labor saving techniques in vitamin A and oil analysis.
212 FL. A rapid test for vitamin A stability.
226 FL. How oil and vitamin A are determined in fish livers.
237 FL. Calculation of vitamin A potency in fish livers.
242 FL. A rapid method for determining the vitamin A potency of fish livers.
290 FL. Distribution of oil and vitamin A in fish livers.

184 Sep. Relationship between body length of grayfish and vitamin A in liver. (Sept 1947)
190 Sep. Vitamin A content of fur seal oils. (Nov 1947)
224 Sep. Studies on methods of extracting vitamin A and oil from fishery products, Part II. (Feb 1949)
228 Sep. Vitamin A in liver of the Alaska fur-seal. (Apr 1949)
248 Sep. Vitamin A in 155 grayfish livers. (May 1950)
254 Sep. Studies on methods of extracting vitamin A and oil from fishery products. Part III. (June 1950)
267 Sep. Vitamin A potencies of liver oils of Bering Sea cod and flounder. (Nov 1950)
366 Sep. Vitamin content of fishery products. (Feb 1954)
393 Sep. Vitamin content of fishery byproducts. (Feb 1955)

Whales
248 FL. Japanese whaling in the Bonin Islands area.
345 FL. Whale and fish oils (Iceland).
371 FL. Japanese whaling industry - prior to 1946.

INT.-DUP. SEC., WASH., D.C. 98648

PACIFIC OCEANIC FISHERY
INVESTIGATIONS

JUL 6 12 17 PM '56